

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Dwayne Best Examiner #: 68457 Date: 10/5
 Art Unit: 2602 Phone Number 30 _____ Serial Number: 101780550
 Location: Box 28437 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

 Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Barliest Priority Filing Date: _____

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*


5,802,241

STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: <u>YES</u>	NA Sequence (#) _____	STN _____
Searcher Phone #: _____	AA Sequence (#) _____	<u>Dialog</u> _____
Searcher Location: _____	Structure (#) _____	<u>Questel/Orbit</u> _____
Date Searcher Picked Up: <u>10/5</u>	Bibliographic _____	<u>Dr. Link</u> _____
Date Completed: _____	Litigation <u>X</u> _____	<u>Lexis/Nexis</u> _____
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Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: <u>25</u>	Other _____	Other (specify) _____

Query/Command : prt max legalall

1 / 1 PLUSPAT - ©QUESTEL-ORBIT - image

PN -  US5802241 A 19980901 [US5802241]
TI - (A) Communication system
PA - (A) MATSUSHITA ELECTRIC IND CO LTD (JP)
PA0 - Matsushita Electric Industrial Company, Ltd., Osaka [JP]
IN - (A) OSHIMA MITSUAKI (JP)
AP - US70637696 19960830 [1996US-0706376]
FD - Cont. of US217895 19940325 [1994US-0217895] (Abandoned)
C.I.P. of US126589 19930927 [1993US-0126589]
C.I.P. of US37108 19930325 [1993US-0037108]
PR - US70637696 19960830 [1996US-0706376]
JP6793492 19920326 [1992JP-0067934]
JP25607092 19920925 [1992JP-0256070]
JP6646193 19930325 [1993JP-0066461]
JP13298493 19930510 [1993JP-0132984]
JP26161293 19930924 [1993JP-0261612]
JP34997293 19931227 [1993JP-0349972]
US21789594 19940325 [1994US-0217895]
US12658993 19930927 [1993US-0126589]
US3710893 19930325 [1993US-0037108]
IC - (A) H04N-005/38 H04N-005/91
EC - G11B-020/00P
H03M-013/25T
H03M-013/35
H04L-001/00B1
H04L-001/00B2
H04L-001/00B5L
H04L-027/02
H04L-027/04
H04L-027/18M
H04L-027/26M1
H04L-027/26M1E
H04L-027/34M
H04L-027/38N2
H04N-005/00M2
H04N-005/44N
H04N-007/24
H04N-007/24A
H04N-007/24C14
H04N-007/26E
H04N-007/26E4
H04N-007/26H30
ICO - S11B-023/28
S11B-027/034
S11B-027/10A1

T04L-001/00B7B

T04L-001/00B7C

PCL - ORIGINAL (O) : 386046000; CROSS-REFERENCE (X) : 348723000**DT** - Basic**CT** - US5087975; US5282019; US5291289; EP0485108; EP0485105; EP0506400; EP0540231

4th International Workshop on HDTV, Sep. 1991, Torino, IT; Elsevier 1992; pp. 61-69, Uz et al.: "Multiresolution Source and Channel Coding for Digital Broadcast of HDTV".

SMPTE Journal, vol. 101, No. 8, Aug. 1992, Scarsdale, NY US; pp. 538-549, Schreiber "Spread-Spectrum Television Broadcasting".

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Biglieri et al, "Introduction to Trellis-Coded Modulation with Applications", 1991, MacMillan, New York, US.

IEEE International Conference on Communications, 23-26 May 1993, Geneva, CH; New York, US, 1993; pp. 1081-1085, Fazel & Ruf: "Combined Multilevel Coding and Multiresolution Modulation".

European Transactions on Telecommunications and Related Technologies, vol. 4, No. 3, May 1993, Italy; pp. 325-334, Seshadri & Sundberg, "Multi-level Block Coded Modulations with Unequal Error Protection for the Rayleigh Fading Channel".

Multidimensional Systems and Signal Processing, vol. 3, No. 2-3, May 1992, NL, pp. 161-187, Vetterli et and Uz: "Multiresolution Coding Techniques for Digital Television: A Review".

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IEEE Global Telecommunications Conference 1991, 2-5 Dec. 1991, Phoenix, US; IEEE New York, US. 1991; pp. 40-46, Hoehner et al.: "Performance of an RCPC-Coded OFDM-Based Digital Audio Broadcasting (DAB) System".

STG - (A) United States patent**AB** -

At the transmitter side, carrier waves are modulated according to an input signal for producing relevant signal points in a signal space diagram. The input signal is divided into, two, first and second, data streams. The signal points are divided into signal point groups to which data of the first data stream are assigned. Also, data of the second data stream are assigned to the signal points of each signal point group. A difference in the transmission error rate between first and second data streams is developed by shifting the signal points to other positions in the space diagram expressed at least in the polar coordinate system. At the receiver side, the first and/or second data streams can be reconstructed from a received

signal. In TV broadcast service, a TV signal is divided by a transmitter into, low and high, frequency band components which are designated as a first and a second data streams respectively. Upon receiving the TV signal, a receiver can reproduce only the low frequency band component or both the low and high frequency band components, depending on its capability. Furthermore, a communication system based on an OFDM system is utilized for data transmission of a plurality of subchannels, wherein the subchannels are differentiated by changing the length of a guard time slot or a carrier wave interval of a symbol transmission time slot, or changing the transmission electric power of the carrier.

1 / 1 LGST - ©EPO


PN -  US5802241 A 19980901 [US5802241]
AP - US70637696 19960830 [1996US-0706376]
ACT - 20001226 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20001030

20010102 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20000831

20010403 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20001030

20031118 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20021122
UP - 2003-48

1 / 1 CRXX - ©CLAIMS/RRX

PN -  5,802,241 A 19980901 [US5802241]
PA - Matsushita Electric Industrial Co Ltd JP
ACT - 20000831 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20010102
REISSUE REQUEST NUMBER: 09/653482
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2712
Reissue Patent Number: USRE38513

20001030 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20001226
REISSUE REQUEST NUMBER: 09/698367
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2712
Reissue Patent Number: USRE38483

20001030 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20010403
REISSUE REQUEST NUMBER: 09/698367
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2712
Reissue Patent Number: USRE38483

20031122 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20031118
REISSUE REQUEST NUMBER: 10/301737
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2712

Reissue Patent Number:

Search statement 3

LEVEL 1 - 1 OF 1 PATENT

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5802241

<=1> GET 1st DRAWING SHEET OF 174

September 1, 1998

Communication system

LEXIS-NEXIS
Library: PATENT
File: ALL

APPL-NO: 706376 (08)

FILED-DATE: August 30, 1996

GRANTED-DATE: September 1, 1998

CORE TERMS: sub, stream, receiver, transmission, digital, carrier, reproduced,
video, transmitter, channel ...

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For further explanation, press the H key (for HELP) and then the ENTER key.

5,802,241 OR 5802241

LEXIS-NEXIS
Library: PATENT
File: JNLS

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5,802,241 OF 5802241

LEXIS-NEXIS
Library: NEWS
File: CURNWS

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